

python / cpython Public

<> Code Issues 5k+ Pull requests 2.1k Actions Projects Security and q

gh-145599: Reject control characters in `http.cookies.Morsel.update()` and `http.cookies.BaseCookie.js_output` #145600

Merged **vstinner** merged 7 commits into `python:main` from `StanFromIreland:cookies` 3 weeks ago

Conversation 24 Commits 7 Checks 59 Files changed 3

StanFromIreland commented on Mar 6 • edited by `bedevere-app` (bot) Member

- Issue: [Reject control characters in more places in `http.cookies.Morsel`](#) #145599

StanFromIreland added 2 commits [last month](#)

Patch [87d0887](#)

Blurb [63a3b59](#)

`bedevere-app` (bot) mentioned this pull request on Mar 6

Reject control characters in more places in `http.cookies.Morsel` #145599

Closed

`bedevere-app` (bot) added the **awaiting review** label on Mar 6

StanFromIreland requested review from **Yhg1s** and **sethmlarson** [last month](#)





sethmlarson approved these changes [on Mar 6](#)

[View reviewed changes](#)



sethmlarson left a comment

Contributor

One small comment, otherwise LGTM. Thank you!

Misc/NEWS.d/next/Security/2026-03-06-17-03-38.gh-issue-145599.kchwZV.rst

Outdated

Show resolved



bedevere-app

bot

added **awaiting core review**

and removed

awaiting review

labels [on Mar 6](#)



[Seth's review, fix blurb](#)

dce754d



StanFromIreland changed the title [gh-145599: Reject control characters in more places in http.cookies.Morsel](#) **gh-145599: Reject control characters in http.cookies.Morsel.update() and http.cookies.BaseCookie.js_output** [on Mar 6](#)



StanFromIreland requested a review from **gpshead** [last month](#)



vstinner reviewed [last month](#)

[View reviewed changes](#)

Lib/http/cookies.py

Show resolved



vstinner reviewed [last month](#)

[View reviewed changes](#)

Lib/http/cookies.py

Show resolved

Lib/http/cookies.py

Outdated

Show resolved



vstinner added the **type-security** label [last month](#)

[Convert to fstr, move check](#) ⋮

[bb54e28](#)

StanFromIreland requested a review from **vstinner** [last month](#)

StanFromIreland added needs backport to 3.10 needs backport to 3.11 needs backport to 3.12 needs backport to 3.13 needs backport to 3.14 labels [last month](#)

[Add reference to news entry.](#)

[ae804e4](#)

vstinner reviewed [3 weeks ago](#)

[View reviewed changes](#)

Misc/NEWS.d/next/Security/2026-03-06-17-03-38.gh-issue-145599.kchwZV.rst

1	1	Reject control characters in :class:`http.cookies.Morsel`
2	2	:meth:`~http.cookies.Morsel.update` and
3	3	:meth:`~http.cookies.BaseCookie.js_output`.
	4	+ This addresses :cve:`2026-3644`.

vstinner [3 weeks ago](#) Member

Are you sure about the CVE number?

StanFromIreland [3 weeks ago](#) • edited Member Author

This one has been reserved for it, see the sidebar of the GHSA.

StanFromIreland requested a review from **vstinner** [3 weeks ago](#)

vstinner reviewed [3 weeks ago](#)

[View reviewed changes](#)

Lib/http/cookies.py Outdated Show resolved

Lib/http/cookies.py Outdated Show resolved



StanFromIreland and others added 2 commits [3 weeks ago](#)

Victor's request [ba6713e](#)

Whitespace [ba64349](#)

StanFromIreland requested a review from **vstinner** [3 weeks ago](#)

vstinner approved these changes [3 weeks ago](#)

[View reviewed changes](#)



vstinner left a comment

Member

LGTM. Thanks for the updates.

107 hidden items

[Load more...](#)

bedevere-app (bot) added **awaiting merge** and removed **awaiting core review** labels [3 weeks ago](#)

vstinner merged commit **57e88c1** into **python:main** [3 weeks ago](#)
51 checks passed

[View details](#)

miss-islington-app (bot) commented [3 weeks ago](#)

Thanks [@StanFromIreland](#) for the PR, and [@vstinner](#) for merging it 🍷🎉... I'm working now to backport this PR to: 3.10, 3.11, 3.12, 3.13, 3.14.



bedevere-app (bot) removed the **awaiting merge** label [3 weeks ago](#)

miss-islington pushed a commit to `miss-islington/cpython` that referenced this pull request [3 weeks ago](#)



pythongh-145599, [CVE 2026-3644: Reject control characters in `http.co...](#) ✓ [cf297a5](#)



miss-islington pushed a commit to miss-islington/cpython that referenced this pull request
[3 weeks ago](#)



pythongh-145599, [CVE 2026-3644: Reject control characters in `http.co...](#) ✓ [49a4116](#)



bedevere-app (bot) commented [3 weeks ago](#)

[GH-146023](#) is a backport of this pull request to the [3.14 branch](#).



miss-islington pushed a commit to miss-islington/cpython that referenced this pull request
[3 weeks ago](#)



pythongh-145599, [CVE 2026-3644: Reject control characters in `http.co...](#) ✓ [736de53](#)



bedevere-app (bot) removed the [needs backport to 3.14](#) label [3 weeks ago](#)

bedevere-app (bot) commented [3 weeks ago](#)

[GH-146024](#) is a backport of this pull request to the [3.13 branch](#).



bedevere-app (bot) removed the [needs backport to 3.13](#) label [3 weeks ago](#)



miss-islington pushed a commit to miss-islington/cpython that referenced this pull request
[3 weeks ago](#)



pythongh-145599, [CVE 2026-3644: Reject control characters in `http.co...](#) ✓ [37b75af](#)



miss-islington-app (bot) commented [3 weeks ago](#)

Sorry, [@StanFromIreland](#) and [@vstinner](#), I could not cleanly backport this to [3.10](#) due to a conflict.
Please backport using [cherry_picker](#) on command line.

cherry_picker 57e88c1cf95e1481b94ae57abe1010469d47a6b4 3.10



miss-islington-app (bot) assigned **vstinner** 3 weeks ago

bedevere-app (bot) commented 3 weeks ago

[GH-146025](#) is a backport of this pull request to the [3.12 branch](#).

bedevere-app (bot) removed the **needs backport to 3.12** label 3 weeks ago

bedevere-app (bot) commented 3 weeks ago

[GH-146026](#) is a backport of this pull request to the [3.11 branch](#).

bedevere-app (bot) removed the **needs backport to 3.11** label 3 weeks ago

vstinner added a commit to vstinner/cpython that referenced this pull request 3 weeks ago

[pythongh-145599](#), [CVE 2026-3644: Reject control characters in `http.co...](#) [d46a497](#)
...

bedevere-app (bot) commented 3 weeks ago

[GH-146027](#) is a backport of this pull request to the [3.10 branch](#).

bedevere-app (bot) removed the **needs backport to 3.10** label 3 weeks ago

vstinner commented 3 weeks ago

Member

Merged, thanks for your fix [@StanFromIreland](#).

|| Are you sure about the CVE number?

This one has been reserved for it, see the sidebar of the GHSA.

Are you talking about <https://github.com/python/cpython/security/advisories> ? I don't see CVE 2026-3644 there.

 **StanFromIreland** deleted the `cookies` branch 3 weeks ago

 **vstinner** added a commit that referenced this pull request 3 weeks ago

 [3.13] [gh-145599](#), `CVE 2026-3644: Reject control characters in `http.c...` `d16ecc6`

...

 **vstinner** added a commit that referenced this pull request 3 weeks ago

 [3.14] [gh-145599](#), `CVE 2026-3644: Reject control characters in `http.c...` `62ceb39`

...

bedevere-bot commented 3 weeks ago

Buildbot failure

Hi! The buildbot **AMD64 Arch Linux Usan Function 3.13** (no tier) has failed when building commit [d16ecc6](#).

What do you need to do:

1. Don't panic.
2. Check [the buildbot page in the devguide](#) if you don't know what the buildbots are or how they work.
3. Go to the page of the buildbot that failed (<https://buildbot.python.org/#/builders/1601/builds/687>) and take a look at the build logs.
4. Check if the failure is related to this commit ([d16ecc6](#)) or if it is a false positive.
5. If the failure is related to this commit, please, reflect that on the issue and make a new Pull Request with a fix.

You can take a look at the buildbot page here:

<https://buildbot.python.org/#/builders/1601/builds/687>

Failed tests:

- `test_urllib2net`

Summary of the results of the build (if available):

==

▶ Click to see traceback logs

StanFromIreland commented [3 weeks ago](#)

Member

Author

Unrelated... (Sky :-/)

vstinner commented [3 weeks ago](#)

Member

Hi! The buildbot AMD64 Arch Linux Usan Function 3.13 (no tier) has failed when building commit d16ecc6.

... test_urllib2net ...

I reported the failure as [#140748 \(comment\)](#) and I created [python/buildmaster-config#684](#) to fix it.



MeggyCal mentioned this pull request [last week](#)

Revert cookie changes in Python 3.15 [aio-libs/aiohttp#11400](#)

Open

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Reviewers



sethmlarson



vstinner



Yhg1s



gpshead



Assignees



vstinner

Labels

type-security

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

4 participants

